



Centre for Water Resources Management

The Brace Centre for Water Resources Management is an interdisciplinary research centre of McGill University. Academic staff affiliated with the Centre are drawn from several faculties in the University. They provide expertise in the technical, social, economic, legal and environmental aspects of water management.

The work of the Centre is partially supported through a bequest to McGill University by James Henry Brace. He stipulated that the bequest be used "to provide for and carry on research for the development of methods for reducing the salt content of sea water so that it may be used economically and effectively for irrigation; and for research into methods of irrigation or other means to make desert or arid land available and economically useful for agricultural purposes".

The Centre applies to external agencies for grants and contracts to support its research and teaching activities.

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Ninth Annual Brace Research Day
April 13 2010, 13:30-18:15
Faculty Lounge, MS2-022,
Macdonald Stewart Building
Macdonald Campus / McGill University



- 13:30** Welcome Remarks: Prof. Van-Thanh-Van Nguyen, *Director, Brace Centre for Water Resources Management*
- 13:35** Opening Remarks: Prof. Christophe Pierre, *Dean, Faculty of Engineering* (or his delegate)
- 13:40** Keynote Speaker: Prof Mark Lefsrud on “Biofuels: Next Generation Challenges” *Bioresource Engineering*
- 14:10** Water balance and corn yield under water table management scenarios, Ajay Singh, *Bioresource Engineering*
- 14:30** Transport of surface-modified iron nanoparticles in porous media during groundwater remediation. Trishikhi Raychoudhury, *Civil Engineering and Applied Mechanics*
- 14:50** Scheduling irrigation of Processing Tomatoes based on stand alone continuous soil moisture sensor monitoring. Felix Jaria, *Bioresource Engineering*
- 15:10** Developing Bacteriophage Functionalized Filter Paper. Zeinab Hosseinidoust, *Chemical Engineering*
- 15:30** Development and Performance Evaluation of a Computer Program for Calculating Reference Evapotranspiration (COMRET). Olanike O Aladenola *Bioresource Engineering*
- 15:50** Biodegradation and microbial activity in petroleum hydrocarbon-contaminated soils subjected to seasonal freeze-thaw temperatures. Wonjae Chang *Civil Engineering and Applied Mechanics*
- 16:10** Household Drinking Water Quality in the Amerindian Community of St. Cuthbert’s Mission, Guyana. Candice Young-Rojanschi, *Bioresource Engineering*
- 16:30** Integrated Water Resources Management: To what extent is research in water resources management integrated? Fidelis Folifac, *School of Urban Planning*
- 16:50** Survival of Attached Pathogens in Model Aquatic Environments. Bahareh Asadishad, *Chemical Engineering*
- 17:10** Hydrodynamic Simulations of Flash Flood Using a Minimal Intervention Strategy, Tao Wang, *Civil Engineering and Applied Mechanics*
- 17:30** Estimation of Point- to- Area Rainfall Relations in the Context of Climate Change. Alireza Zareie, *Civil Engineering and Applied Mechanics*
- 17:50** Pathogen inactivation mechanisms during electro-dewatering of biosolids from secondary wastewater treatment, Tala Navab Daneshmand, *Civil Engineering and Applied Mechanics*
- 18:10** Closing Remarks: Prof. Chandra Madramootoo, *Dean, Faculty of Agriculture and Environmental Sciences*
- 18: 15** Reception: Wine and Cheese and Presentation of Awards for the Best Presentations

Refreshments will be provided throughout the presentations

For further information, contact
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Abstracts can be viewed at www.mcgill.ca/brace/symposia/colloquium